

REMARKS

The foregoing amendments are respectfully requested prior to examination on the merits of this application. A marked up copy of the amended claims is attached.

To the extent necessary, applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 306.40262X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

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4. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 3~~  
claim 1, characterised in that it additionally contains, in order to control the reactivity  
of the gases, inert gases, preferably carbon dioxide, air, helium, neon and/or argon.
5. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 4~~  
claim 1, characterised in that it contains additions of smell-intensive gases such as e.g.  
mercaptans in small amounts for detecting leaks.
6. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 5~~  
claim 1, characterised in that it contains additions for improving the smell properties  
of the combustion gases in the when utilisation takes place.
7. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 6~~  
claim 1, characterised in that it contains vanillin.
8. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 7~~  
claim 1, characterised in that it contains polymers from the group of the hydrocarbons  
such as ethylene, propylene, isoprene, styrene as fuels.
9. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 8~~  
claim 1, characterised in that it contains oxygen-containing fuels which are derived  
for example from carboxylic acids such as polyvinyl acetates, polymethacrylates,  
polyterephthalates and/or other polyesters, polyethers, polycarbonates,  
polyoxymethylenes, oligo- and polysaccharides such as sugar, cellulose, starch,  
polyvinyl acetals or polyvinyl alcohols.

10. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 9~~ claim 1, characterised in that it also contains explosive substances as additional reactive components of the fuels.

11. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 10~~ claim 1, characterised in that it contains as reactive components one or more compounds from the group nitroguanidine (NiGu) derivatives of tetrazole such as 5-aminotetrazole, 5-aminotetrazole nitrate, bistetrazole amine or bistetrazole, aminoguanidine nitrate, diaminoguanidine nitrate, triaminoguanidine nitrate, guanidine nitrate, dicyanodiamidine nitrate, diaminoguanidine azotetrazolate, nitrotriazolone, dicanediamidine nitrate, hexogen, octogen.

12. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 11~~ claim 1, characterised in that it contains as fuel urea, organic acids (e.g. fumaric acid, ascorbic acid, oxalic acid), cork, wood, metals (e. g. aluminium, titanium) and/or non-metals (e.g. boron, silicon), nitrides, azides and/or inorganic benzene (B<sub>3</sub>N<sub>3</sub>).

13. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 12~~ claim 1, characterised in that the fuels are used in the form of powder, granules, pressings such as e.g. tablets, or in the case of polymers e.g. also as cut fibres or twisted fibres, mats, woven fabrics, porous foams e.g. of polyurethanes.

14. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 13~~ claim 1, characterised in that specific embodiments may be surface-treated by being, for example, impregnated or mixed with liquids or pasty substances, to control the burn-off.

15. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 14~~ claim 1, characterised in that it contains as further additives catalysts, for example ferrocene and derivatives, iron or copper acetylacetonate.

16. (Amended) Gas-generating substance according to ~~one or more of claims 1 to 15~~ claim 1, characterised in that it contains as additions one or more oxidising agents such as nitrates of alkali and alkaline earth elements, perchlorates of alkali and alkaline earth elements, ammonium nitrate, ammonium perchlorate, zinc peroxide, perborates, peroxodisulphates, permanganates, tin dioxide, manganese dioxide, oxidising agents derived from nitramines and mixtures of these components and/or porosity generators, for example ammonium hydrogencarbonate, acetone dicarboxylic acid, azoiso-butyronitrile and/or hollow plastics spheres.